PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION

Attorney Docket No. M4065.0556/P556-A First Inventor Chandra Mouli et al.

GROUNDED GATE FOR REDUCING DARK

TRANSMITTAL Title				CL	CURRENT IN CMOS IMAGE SENSORS									
(Only for new nonprovisional applications under 37 CFR 1.53(b))												2		
Expres						ss Ma	il Label I	Vo.						<u> </u>
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.							MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450							
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification [Total Pages 35] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 8] 5. Oath or Declaration [Total Sheets 3] a. Newly executed (original or copy) b. X Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).					7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of Attorney 11. English Translation Document (if applicable) 12. X Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Statement (IDS)/PTO-1449 Citations 13. X Preliminary Amendment 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. X Other: Copy of Power of Attorney with Assignment									
Fun	18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation X Divisional Continuation-in-part (CIP) of prior application No.: 10/291,728 Prior application information: Examiner M. Lebentritt Art Unit: 2824 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS X Customer Number: 24998 OR Correspondence address below DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP Thomas J. D'Amico 2101 L Street NW									ed .				
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┡	City Country	Washington US			tate elephone	DC				20037-15				
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Name (Print/Type) Signature		i nomas c	J. D'Amico	$\sum_{i=1}^{n}$	<u> </u>	Registrat	ion No	(Attor	ney/Agent Date		28,371 bruary 5,	2004	\dashv	

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PTO/SB/17 (10-03)

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	TDANIGNITTAL		Complete if Known							
	E TRANSMITTAL	•	Appli	cation	Numb	er NOT YET ASSIGNED				
	for FY 2004		Filing	Date		Concurrently Herewith	Concurrently Herewith			
C#F-office			First i	Named	Inver	ntor Chandra Mouli et al.				
Епесиче	10/01/2003, Patent fees are subject to annual revision.		Exam	iner Na	ame	Not Yet Assigned				
Applica	ant claims small entity status. See 37 CFR 1.27	Art Unit				N/A				
TOTAL AMO	UNT OF PAYMENT (\$) 1,104.00		Attorney Docket No. M4065.0556/P556-A							
METHO	DO OF PAYMENT (check all that apply)	ī			FEE	CALCULATION (continued)	_			
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X Deposit A	ccount:			S	Entity					
Deposit Account 04-1073			Entity Fee	-						
Number		Code	(\$)	Code	Fee (\$)	Fee Description Fee	Paid			
Deposit Account	1051	130	2051	65	Surcharge – late filing fee or oath					
Name	Oshinsky LLP	1052	50	2052	25	Surcharge late provisional filing fee or cover				
	authorized to: (check all that apply)					sheet.				
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-English specification				
X Charge any	additional fee(s) or any underpayment of fee(s)	1812	2,520	1812	2,520	For filing a request for ex parte reexamination				
Charge feet	s) indicated below, except for the filing fee	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	\Box			
	ntified deposit account.	1805	1,840*	1805	1,840*	Requesting publication of SIR after	\dashv			
	FEE CALCULATION	1251	110	2251	55	Examiner action Extension for reply within first month	\dashv			
1. BASIC FIL		1252	420	2252	210	Extension for reply within second month	\neg			
"	mall Entity	1253	950	2253	475	Extension for reply within third month	\neg			
	ee Fee Fee Description Fee Paid	1254	1,480	2254	740	Extension for reply within fourth month				
	001 385 Utility filing fee 770.00	1255	2,010	2255	1,005	Extension for reply within fifth month	\dashv			
1002 340 20	002 170 Design filing fee	1401	330	2401		Notice of Appeal	\neg			
	003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal				
	004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing				
1005 160 20	005 80 Provisional filing fee	1451	1,510	1451		Petition to institute a public use proceeding				
	SUBTOTAL (1) (\$) 770.00	1452 1453	110 1,330	2452 2453	55 665	Petition to revive – unavoidable	\dashv			
2 FYTRACI	AIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Petition to revive - unintentional Utility issue fee (or reissue)	\dashv			
Z. EXTRACE	Extra Fee from	1502	480	2502	240	Design issue fee	-+			
Total Claims 2	9 -20** = 9 x 18.00 = 162.00	1503	640	2502	320	Plant issue fee	—			
Independent		1460	130	1460	130	Petitions to the Commissioner	\dashv			
Claims L. Multiple Depender		1807	50	1807	50	Processing fee under 37 CFR 1.17(q)				
· 1	L	1806	180	1806	180	` ` `	\dashv			
Fee Fee Fe	ee Fee Fee Fee Pegarintian					Submission of Information Disclosure Stmt Recording each patent assignment per				
Code (\$) Co	de (\$) <u>Fee Description</u>	8021	40	8021	40	property (times number of properties)				
1202 18 22 1201 86 22		1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))				
1201 86 22	•	1810	770	2810	385	For each additional invention to be	\dashv			
1204 86 22	,	1801	770	2801	385	examined (37CFR 1.129(b)) Request for Continued Examination (RCE)				
	over original patent	1802	900	1802	900	Request for expedited examination				
1205 18 22		ı	of a design application							
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**Or number prev	SUBTOTAL (2) (\$) 334.00 riously paid, if greater; For Reissues, see above	*Redu	ced by E	Basic Fili	ing Fee	Paid SUBTOTAL (3) (\$)	0.00			
SUBMITTED BY	leasy pers, if greater, i of resistes, see above		<u> </u>			(2)				
Name (Print/Type)	Thomas I D'Amiss	(Complete (if applicable))								
	Thomas J. D'Amico		ation No y/Agent)	Telephone (202) 828-2232						
Signature	70					Date February 5, 2004				